

ABSTRACT

5 A membrane pump (1) having a membrane (24) which can be
actuated by a crank drive (32), which membrane bounds,
together with a concave pump body surface (8), a pump
chamber (38), an inlet channel (4) and an outlet channel
10 (17) which open out at an inlet opening (9) and an outlet
opening (20) in the pump body surface (8), the membrane
(24) having a membrane core (25) and an elastically
deformable membrane ring (26) and the membrane core (26)
having a convex surface adapted to the pump body surface
(8). The inlet opening (9) is arranged in the region of
the pump body surface (8) which the membrane (24) first
15 approaches upon an expulsion stroke of the crank drive
(32), and the elastically deformable membrane ring (26)
closes the inlet opening (9) before the attainment of top
dead center of the crank drive (32).

(Figure 4)

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